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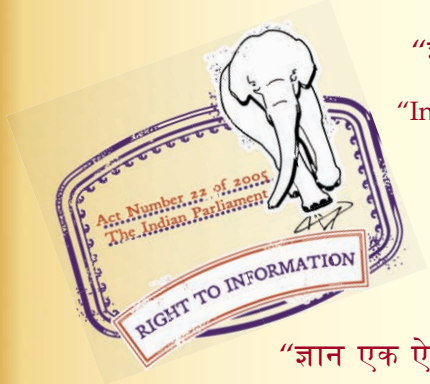
IS 11823-3 (1986): Couplings for Disposal of Oily Mixture for Inland Vessels, Part 3: Adapters (flange/end piece) [TED 18: Inland, Harbour Crafts and Fishing Vessels]



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"Knowledge is such a treasure which cannot be stolen"

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UDC 621·643·415 : 629·122

Indian Standard

(Reaffirmed 2002)

SPECIFICATION FOR COUPLINGS FOR DISPOSAL OF OILY MIXTURE FOR INLAND VESSELS

PART 3 ADAPTERS (FLANGE/END PIECE)

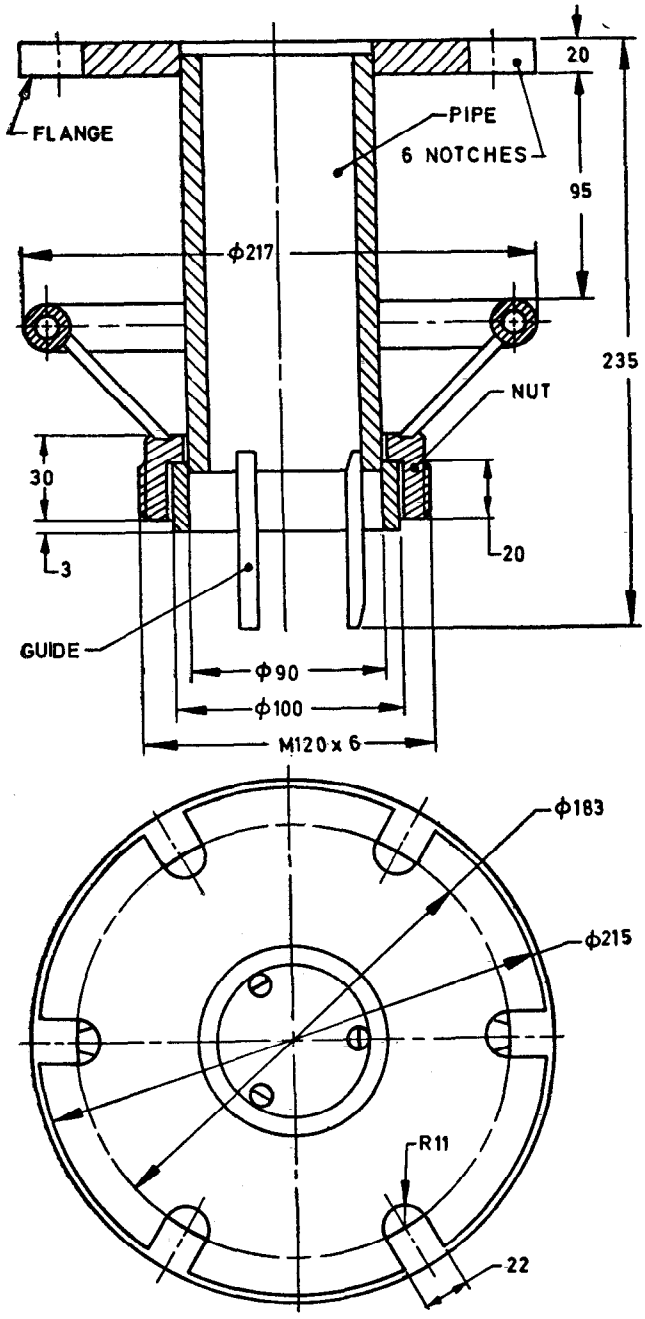
Inland and Harbour Craft Sectional Committee, MCPD 2 [Ref : Doc : MCPD 2 (676)]

1. Scope

1.1 This standard lays down the requirements for adapters to connect the flange of the receiving pipe (of the port or collecting vessel) to the bush of the vessel disposing off oily mixture from inland vessels.

2. Dimensions

2.1 The dimensions of the DN 80 adapters shall be as given in Fig. 1.



All dimensions in millimetres.

FIG. 1 DN 80 ADAPTER OF TYPE 3 (FLANGE/END PIECE) FOR DISPOSAL OF OILY MIXTURE

Adopted 10 September 1986

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Gr 1

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

3. Materials

3.1 The adapters shall be made of steel or other equivalent material. If the flash point of the oil vapours in the oily mixture is lower than 60°C the parts shall be made from non-sparking materials.

4. General Requirements

4.1 The limit deviations of the dimensions and the surface roughness of adapters shall meet all requirements and the necessity of ensuring leak-proof joints.

4.2 The conventional pressure for adapters shall be 0·6 MPa*.

5. Designation

5.1 The adapters will be designated by the following:

a) Name;

b) Number of standard; and

c) Group [A_3 for adapters (flange/end-piece) for oily mixture]

Example: An adapter conforming to this standard shall be designated as follows:
Adapter IS : 11823 (Part 3)-A_3

6. Marking

6.1 The adapters shall be marked with manufacturer's name and designation.

6.1.1 *Certification Marking* — Details available with the Bureau of Indian Standards.

EXPLANATORY NOTE

This standard lays down the requirements for couplings for disposal of oily mixture used for inland vessels. The type of couplings is chosen depending upon the use of vessels and the system of polluted water under transfer and treatment adopted in its operational area. This part of the standard deals with adapters to connect the flange of the receiving pipe (of the port or collecting vessel) to the bush of the vessel disposing off oily mixture.

This standard is being issued in the following four parts:

Part 1 Flange couplings;

Part 2 Quick-Release couplings;

Part 3 Adapter — Flange/end-piece; and

Part 4 Adapter — Flange/bush.

Not withstanding what is stated in the standard, the rules and requirements laid down by the Classification Societies and Statutory Authorities in all respects shall prevail.

This standard is based on ISO 7608-1985 'Shipbuilding — inland navigation — couplings for disposal of oily mixture and sewage water', issued by the International Organization for Standardization (ISO). The ISO standard classifies couplings for disposal of oily mixture under Group *A* and further subclassifies adapters (flange/end-piece) as Type 3. The same method of classification is used in this standard for the sake of uniformity.

* 1 kgf/cm² ≃ 981 kPa.

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